

ABSTRACT

In order to provide a high combustion efficiency device for liquid fuel in which almost no maintenance cost is required, combustion efficiency of liquid fuel in an engine portion is improved, the amount of unburned matters is reduced as much as possible, and generation of nitrogen oxide is suppressed, at least tourmaline particles are filled in a hollow member made of electrically conductive material, while the tourmaline particles are electrically connected to the hollow member. Further, the high combustion efficiency device is attached to at least part of a tank of liquid fuel and a fuel passage extending from the fuel tank to a combustion device of the liquid fuel.